

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P839451

Luminaire Tested: **LD6C10D010 EU6109027 6LCSQWLI**

Issue Date: 6/29/2023



Test Information

Test Method: LM-79-08
Report Number: P839451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10D010 EU6109027 6LCSQWLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

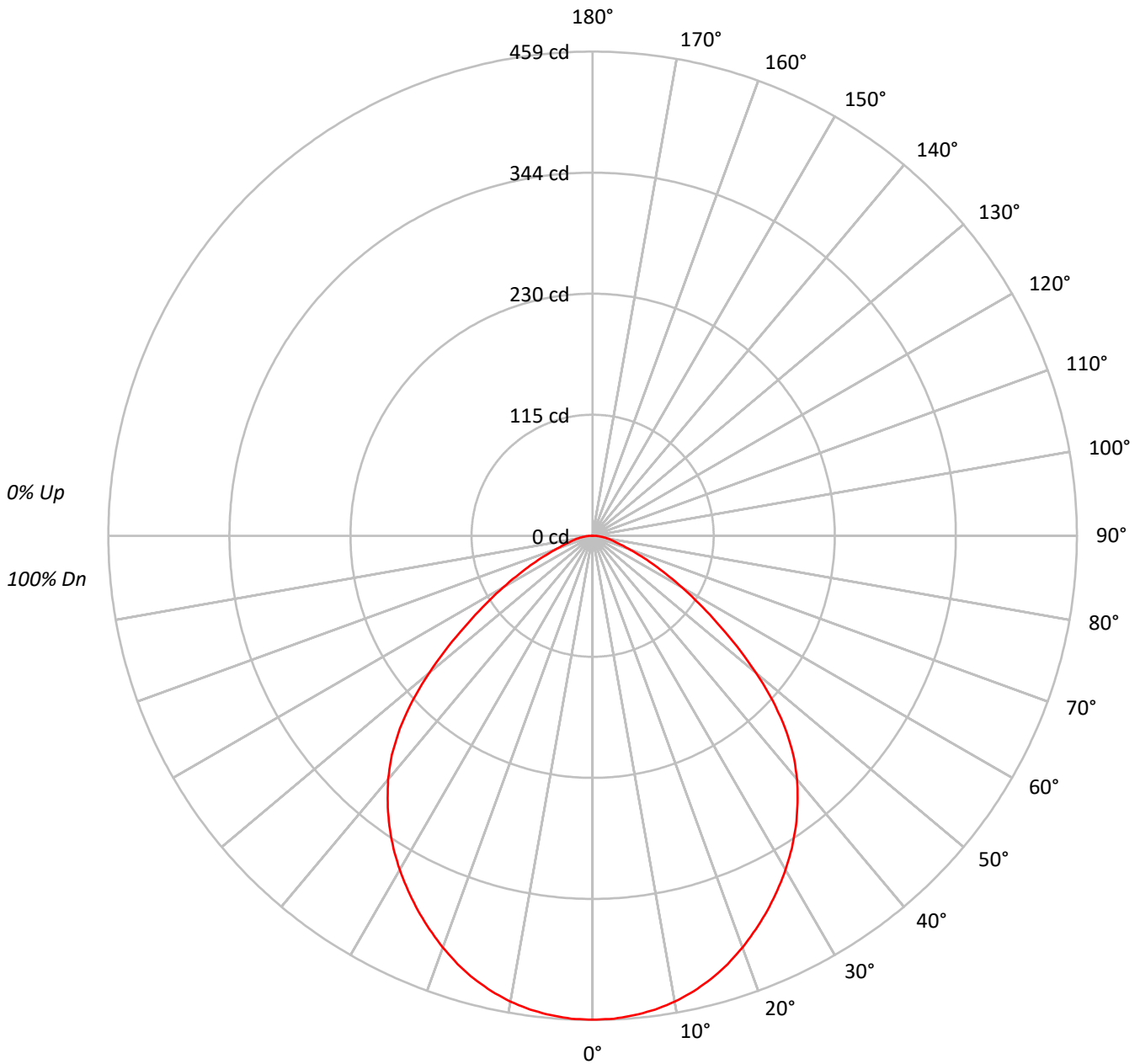
Lumens per Lamp: N/A
Luminaire Lumens: 978.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	103	100	108	105	101	98	100	98	95	97	94	92	93	91	90	88			88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76			76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66			66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58			58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51			51
6	75	63	55	49	73	62	54	49	60	53	48	59	52	48	57	52	47	46			46
7	70	57	49	44	68	57	49	43	55	48	43	54	47	43	52	47	43	41			41
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37			37
9	61	48	41	36	60	48	41	35	47	40	35	46	40	35	45	39	35	33			33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30			30

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	19750
5°	19717
10°	19608
15°	19381
20°	19029
25°	18618
30°	18176
35°	17655
40°	16946
45°	15722
50°	13544
55°	10802
60°	8413
65°	6296
70°	4570
75°	3627
80°	3397
85°	3359



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	4.4
10°-20°	122.5	12.5
20°-30°	180.5	18.5
30°-40°	209.6	21.4
40°-50°	197.1	20.1
50°-60°	130.4	13.3
60°-70°	62.9	6.4
70°-80°	24.2	2.5
80°-90°	7.6	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	346.2	35.4
0°-40°	555.9	56.8
0°-60°	883.3	90.3
0°-90°	978.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	978.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	459	
5°	456	43
15°	435	122
25°	392	180
35°	336	210
45°	258	197
55°	144	130
65°	62	63
75°	22	24
85°	7	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	458.7
2.5°	458.3
5°	456.2
7.5°	453.1
10°	448.5
12.5°	442.3
15°	434.8
17.5°	425.7
20°	415.3
22.5°	403.9
25°	391.9
27.5°	379.0
30°	365.6
32.5°	351.3
35°	335.9
37.5°	319.1
40°	301.5
42.5°	281.6
45°	258.2
47.5°	231.6
50°	202.2
52.5°	172.3
55°	143.9
57.5°	119.4
60°	97.7
62.5°	78.2
65°	61.8
67.5°	47.9
70°	36.3
72.5°	27.6
75°	21.8
77.5°	17.6
80°	13.7
82.5°	10.2
85°	6.8
87.5°	3.9
90°	0.0



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— 0°-180°







(END OF REPORT)